

ENGINEERING



PRODUCTION



TURN-KEY MACHINES



**FSW**  
FRICTION STIR WELDING



TECHNICAL TRAINING  
AND ASSISTANCE

## TURN-KEY SOLUTIONS FOR FRICTION STIR WELDING (FSW)

### OUR OFFERS :

#### RESEARCH & DEVELOPMENT

As the 1<sup>st</sup> French company to have developed FSW for serial production, our R&D focus on industrial applications of FSW through design and prototype testing.

#### MACHINES & JIGS

We design, develop and build custom-made machines alongside specific jigs to add in customers' values.

#### SERVICES

We provide FSW related turn-key solutions, training packages and sub-contracting services for high quality industries.



WELDING THE FUTURE TOGETHER...



AUTOMOTIVE



DEFENCE



ENERGY



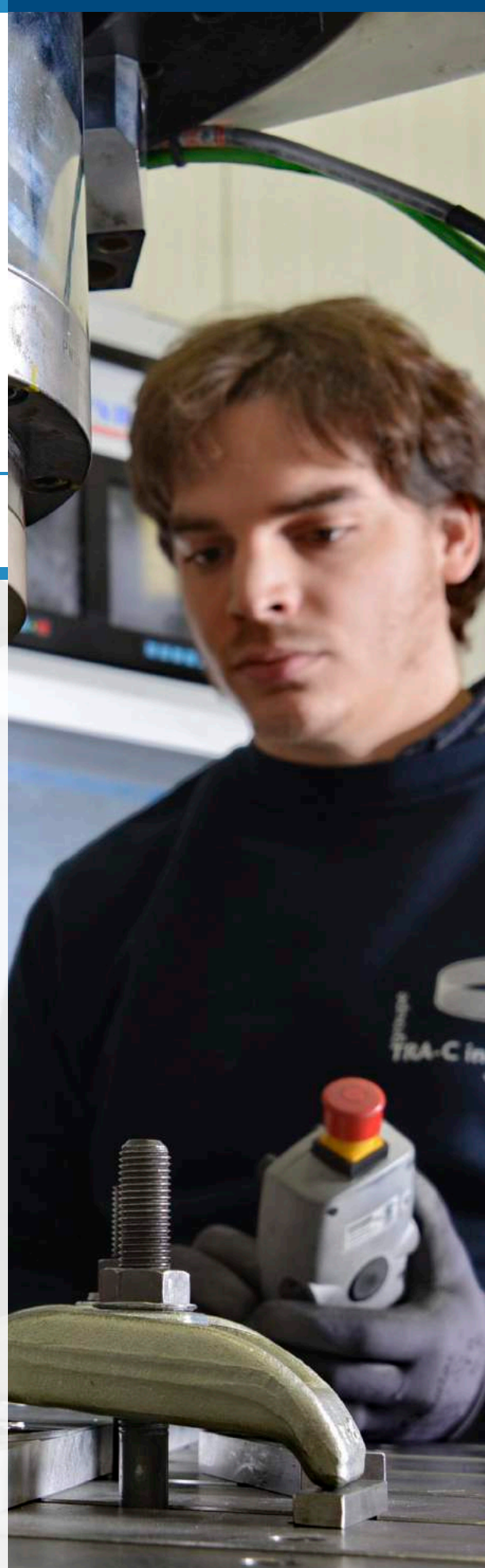
AERONAUTICS



RAILWAY



SPACE



## CERTIFICATIONS

ISO 9001 Design-engineering, production engineering, project management & manufacturing of mechanically-welded automated assemblies

EN ISO 3834-2 Welding Quality System

EN 15085-2 CL1 Welding of railway vehicles and components

EN 1090-1 Execution of steel structures and aluminum structures

## REFERENCES

- Battery trays for automobile.
- Aluminium chassis for defence.
- Heat exchangers for energy.
- Structures for railway.
- Aluminum alloy parts for aerospace industry.

## OUR MEANS

We're equipped with powerful and modern production means to satisfy all the demands related to Friction Stir Welding from high quality industries.



COMPLEMENTARY METALWORKING SOLUTIONS  
FOR ALL HIGH-CLASS INDUSTRIES

### ENGINEERING

*Product engineering & prototyping*

### PRODUCTION

*Industrial production & services*

### TURN-KEY MACHINES

*Engineering & turn-key solutions*

### TECHNICAL TRAINING & ASSISTANCE

*Soudage Technique d'Auvergne (STA)*

*FORM in PROD*

groupe



TRA-C industrie

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